

EUROCRET 400

Thixotropic fiber-reinforced mortar for concrete repair

code E410010

DESCRIPTION

EUROCRET 400 is a premixed powder mortar, for concrete structural elements of building. The product that is obtained mixed with water provides good water-impermeability and adhesion to concrete.

INSTRUCTIONS FOR USE

EUROCRET 400 is applicable to cement surfaces, for the repair of reinforced concrete elements such as beams, columns, rigid joints in prefabrication.

TECHNICAL SPECIFICATIONS

Specific weight of fresh mortar 1.9 kg / l
pH: 12
maximum size of the aggregates: 2,5 mm
compression strength: 40 N /mm² after 28 days.
CE marking per EN 1504-3
Life: 1 hour at 20 °C
overcoating: after about 7 days from the application
color: gray

PREPARING THE SURFACE

Remove carefully by brushing or sanding the efflorescence, dust, rust, release elements (such as oil and grease) or partially detached parts present possibly using pressure washer.

Roughen the surface and remove the pieces of damaged concrete. This is necessary to ensure a perfect adhesion to the substrate.

The reinforcing rods have to be cleaned by mechanical removal, brushing or sandblasting; then apply EUROCRET FERRO MONOCOMPONENTE anti corrosion protective.

The substrate must be wet with water prior to complete saturation.

APPLICATION INSTRUCTIONS

Mixing water: 15-17% (from 3,75 to 4,25 liters per 1 bag of 25 kg, depending on the consistency required)

It is recommend preparing the mortar with cement mixer or, for small quantities, drill by a mixer attachment, avoiding mixing by hand that would not guarantee an optimal mixture.

Pour about l '80% of the water required and add the powder EUROCRET 400, without interruption, to avoid the formation of lumps; mix for 3 minutes; add the remaining water to reach the desired consistency and mix for another 4-5 minutes.

EUROCRET 400 can be applied by trowel or spray. The finishing can be performed by smoothing the surface by wood or plastic trowel, during the early setting of the mortar. The adhesion starts when it is possible to put the fingers without sinking into the mortar.

The presence in the mixture of fibers and specific

anti-shrinkage additives prevent the formation of clefts and cracks even without the application of an anti-evaporation agent, otherwise in environments with strong ventilation or sun exposure may be necessary to provide a wet curing, for at least 48 - 72 hours by spraying from time to time of water, or the application of an anti-evaporation agent.

For a superficial finish that ensures a high quality aesthetic appearance apply the shrinkage leveler EUROCRET 200 or EUROCRET 500,

EUROCRET 400 should not be used:

- for remakes of thicknesses less than 5 mm;
- for thicknesses higher than 50 mm at a time;
- for anchorages;
- for formwork elements

- in contact with acidic substances (pH less than 5) or stagnant water.

- with temperatures below 5 ° C or above + 30 ° C

- on continuous brick surfaces, use specific plasters

- on gypsum

STORAGE

Maximum storage temperature + 35 °C

Minimum storage temperature: + 5 °C

Keep in a dry place away from humidity.

It is recommended to use the product within 1 year from date of manufacture.

SAFETY RULES

Irritating to respiratory system and skin / Risk of serious damage to eyes / It may cause sensitization by skin contact / Keep out of reach of children / Do not breathe dust / Avoid contact with eyes and skin / In case of contact with eyes, rinse immediately with plenty of water and seek medical advice / Wear suitable protective clothing, gloves and eye / face / If swallowed, seek medical advice immediately and show this container or label.

The product must be transported, used and stored in accordance with current standards of hygiene and safety; let dry completely the residual parts and treat them as special waste.

For more information, see the Safety Data Sheet.

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